

Q.P. CODE: 112016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations August 2022**

Physiology

(2016 Scheme)

Time: 3 Hrs

Max. Marks:80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x10=20)

1. Explain the neural regulation of respiration. Add a note on artificial respiration.
2. Define arterial blood pressure. Describe the clinical measurement of blood pressure.

Short notes:

(6x5=30)

3. Classify the endocrine glands and describe the properties of hormones.
4. Role of hypothalamus in temperature regulation.
5. Excitation contraction coupling in skeletal muscle.
6. Ovarian changes during menstrual cycle.
7. Composition and functions of CSF.
8. Functions of WBC.

Answer briefly:

(10x3=30)

9. Saltatory conduction.
10. Cardiac Output.
11. Surfactant.
12. Mean Corpuscular Volume.
13. Rh incompatibility.
14. Tidal Volume.
15. Functions of basal ganglia.
16. Actions of Parathormone.
17. Triple response.
18. Cretinism.
